

ABSTRACT

5 A software system with task-specific flexible
bindings that enhance the ability to dynamically add
and remove resources from availability to tasks and
that eliminates the need for coordination of globally
unique names. The software system includes a task-
specific name space which corresponds to a task
executing in the software system. The task-specific
name space holds flexible bindings each of which
10 associates a task-specific name used by the task to
refer to a desired resource or a set of one or more
resources of the computer system and to information
that describes the desired resource. The software
system includes a resource mediator that obtains a
15 message from the task. The resource mediator keeps
information for each resource that identifies a
resource handler task for the desired resource by
resolving the task-specific name using the flexible
binding.

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